

ABSTRACT OF THE DISCLOSURE

A water spray head for spraying water spray mist in a fire prevention system, includes a water supply duct; a spray head upper body; a fluid chamber; and a “w” shaped bottom, on which at least two rings of nozzles are installed. The water spray head has a body with a “w” shaped bottom, a chamber and two rings of liquid mist nozzles on the slant walls of the “w” shaped bottom. The liquid mist sprays from the nozzles at the inner ring may collide with each other directly or tangentially to form finer liquid droplets and a more uniformly distributed “solid cone” water spray. The water mist formation of the individual nozzle is also designed to be based on the collision of liquid streams from multiple small flow channels in a large flow channel, thereby forming even finer droplets.